

## CLAIMS

What is claimed is:

1. A motorcycle rack for supporting a motorcycle in a generally upright position on a bed of a vehicle, said motorcycle rack comprising:

5 an elongated main body member having a principal longitudinal axis, a first main body end and an opposing second main body end;

a first support assembly attached to said first main body end and to said vehicle;

10 a second support assembly attached to said second main body end and said vehicle, said first support assembly and said second support assembly configured to transversely support said main body member above said bed of said vehicle; and

15 one or more wheel chock assemblies, each of said one or more wheel chock assemblies having a connection member, means for fixing said connection member to said main body member and means for holding a wheel of said motorcycle in a generally fixed position on or above said bed of said vehicle, said connection member slidably disposed on said main body member between said first support assembly and said second support assembly so as to permit

movement of said connector along the longitudinal length of said main body member, said holding means attached to said connection member.

2. The motorcycle rack according to claim 1, wherein said main body member is longitudinally adjustable in length.

5           3. The motorcycle rack according to claim 1, wherein said main body member is comprised of at least a first telescoping member, a second telescoping member and a means for fixing the longitudinal length of said main body member.

10           4. The motorcycle rack according to claim 3, wherein said first telescoping member and said second telescoping member are in telescoping relationship and said fixing means fixes the position of said first telescoping member relative to said second telescoping member.

15           5. The motorcycle rack according to claim 1, wherein at least one of said first support assembly and said second support assembly comprises a side member configured to be supportably attached to a vertically displaced wall of said bed and a clamp configured to fixedly clamp said side member to said vertically displaced wall.

6. The motorcycle rack according to claim 5, wherein said side member comprises at least one generally L-shaped member.

7. The motorcycle rack according to claim 5, wherein said clamp is comprised of a channel member attached to and protruding inward from said side member, a clamp hook having a clamp tube, and a clamp member configured to be removably received by said clamp tube.

5           8. The motorcycle rack according to claim 1 further comprising one or more loop members on at least one of said first support assembly and said second support assembly.

9. The motorcycle rack according to claim 1, wherein at least one of said first support assembly and said second support assembly comprises a leg member attached to said main body member and a receiver member attached to said bed and configured to receive at least a portion of said leg member.

10           10. The motorcycle rack according to claim 9, wherein said leg member is attached to either said first main body end or said second main body end of said main body member.

15           11. The motorcycle rack according to claim 9, wherein said receiver member comprises a receiver tubular member and a base member, said base member attached to said bed of said vehicle.

12. The motorcycle rack according to claim 9, wherein said at least a portion of said leg member is slidably received in said receiver member and

configured to be in a locking relationship therewith to fix the height of said main body member relative to said bed.

13. The motorcycle rack according to claim 12, wherein said leg member is generally tubular shaped and fixedly attached to said first main body end and/or said second main body end of said main body member.

14. The motorcycle rack according to claim 1, wherein said connection member is generally tubular shaped and has a longitudinal axis substantially in common with said longitudinal axis of said main body member.

15. The motorcycle rack according to claim 1, wherein said holding means of at least one of said one or more wheel chock assemblies comprises a frame extending generally downward from said connector member, one or more wheel support members attached to said frame and one or more securing means for securing said wheel support members to said frame, said one or more wheel support members configured to substantially cradle said wheel of said motorcycle in said at least one wheel chock assembly.

16. The motorcycle rack according to claim 15, wherein said frame adjustably connects to said connection member so as to adjust the height of said one or more wheel support members above said bed of said vehicle.

17. The motorcycle rack according to claim 15, wherein said frame extends downward in a generally arcuate shape and said one or more wheel support members are made from a flexible material, said wheel support members configured to draw said frame against said wheel when said wheel is placed into  
5 said holding means.

18. The motorcycle rack according to claim 1, wherein said holding means of at least one of said one or more wheel chock assemblies comprises a pair of clamp plates and a plate connector interconnecting said pair of clamp plates, said pair of clamp plates configured to be disposed on opposite sides of  
10 said wheel of said motorcycle and said plate connector configured to clamp said pair of clamp plates against said wheel.

19. The motorcycle rack according to claim 18, wherein said at least one wheel chock assembly comprises a pair of connection members and one of said pair of clamp plates is attached to one of said pair of connection  
15 members.

20. The motorcycle rack according to claim 1, wherein said one or more wheel chock assemblies comprises at least a first wheel chock assembly and a second wheel chock assembly, said holding means of said first wheel chock assembly comprising a frame having a pair of frame members and one or

more wheel support members attached to said frame, said wheel support members configured to substantially cradle a wheel of a first motorcycle in said first wheel chock assembly, said holding means of said second wheel chock assembly comprising a pair of clamp plates and a plate connector interconnecting  
5 said pair of clamp plates, said pair of clamp plates configured to be disposed on opposite sides of a wheel of a second motorcycle and said plate connector configured to clamp said pair of clamp plates against said wheel of said second motorcycle.

21. The motorcycle rack according to claim 1 further comprising  
10 one or more loop members attached to said connection member.

22. The motorcycle rack according to claim 1 further comprising one or more loop members attached to a tubular member slidably disposed on said main body member and means for removably positioning said tubular member on said main body member.

15 23. A motorcycle rack for supporting a motorcycle in a generally upright position on a bed of a vehicle, said motorcycle rack comprising:

an elongated main body member having a principal longitudinal axis, a first main body end and an opposing second main body end, said main body member being longitudinally adjustable in length;

a first support assembly attached to said first main body end and to said vehicle, said first support assembly having a side member configured to be supportably attached to a vertically displaced wall of said bed and a clamp configured to clamp said side member to said vertically displaced wall of said bed;

a second support assembly attached to said second main body end and said vehicle, said first support assembly and said second support assembly configured to transversely support said main body member in a substantially horizontal position above said bed of said vehicle; and

one or more wheel chock assemblies, each of said one or more wheel chock assemblies having a connection member, means for fixing said connection member to said main body member and means for holding a wheel of said motorcycle in a generally fixed position on or above said bed of said vehicle, said connection member slidably disposed on said main body member between said first support assembly and said second support assembly so as to permit movement of said connector along the longitudinal length of said main body member, said holding means attached to said connection member.

24. The motorcycle rack according to claim 23, wherein said main body member is comprised of at least a first telescoping member, a second

telescoping member and a means for fixing the longitudinal length of said main body member, said first telescoping member and said second telescoping member being in telescoping relationship, said fixing means configured to fix the position of said first telescoping member relative to said second telescoping member.

25. The motorcycle rack according to claim 23, wherein said clamp is comprised of a channel member attached to and protruding inward from said side member, a clamp hook having a clamp tube, and a clamp member configured to be removably received by said clamp tube.

26. The motorcycle rack according to claim 23 further comprising one or more loop members on at least one of said first support assembly and said second support assembly.

27. The motorcycle rack according to claim 23, wherein said connection member is tubular shaped and has a longitudinal axis substantially in common with said longitudinal axis of said main body member.

28. The motorcycle rack according to claim 23, wherein said holding means of at least one of said one or more wheel chock assemblies comprises a frame extending generally downward from said connection member in a generally arcuate shape, one or more wheel support members attached to



said frame and one or more securing means for securing said wheel support members to said frame, said one or more wheel support members configured to substantially cradle said wheel of said motorcycle in said at least one wheel chock assembly.

5                   29. The motorcycle rack according to claim 23, wherein said holding means of at least one of said one or more wheel chock assemblies comprises a pair of clamp plates and a plate connector interconnecting said pair of clamp plates, said pair of clamp plates configured to be disposed on opposite sides of said wheel of said motorcycle and said plate connector configured to  
10   clamp said pair of clamp plates against said wheel.

                  30. The motorcycle rack according to claim 23, wherein said one or more wheel chock assemblies comprises at least a first wheel chock assembly and a second wheel chock assembly, said holding means of said first wheel chock assembly comprising a frame having a pair of frame members and one or  
15   more wheel support members attached to said frame, said wheel support members configured to substantially cradle a wheel of a first motorcycle in said first wheel chock assembly, said holding means of said second wheel chock assembly comprising a pair of clamp plates and a plate connector interconnecting said pair of clamp plates, said pair of clamp plates configured to be disposed on

opposite sides of a wheel of a second motorcycle and said plate connector configured to clamp said pair of clamp plates against said wheel of said second motorcycle.

31. A motorcycle rack for supporting a motorcycle in a generally upright position on a bed of a vehicle, said motorcycle rack comprising:

an elongated main body member having a principal longitudinal axis, a first main body end and an opposing second main body end, said main body member being longitudinally adjustable in length;

a first support assembly attached to said first main body end and to said vehicle;

a second support assembly attached to said second main body end and said vehicle, said first support assembly and said second support assembly configured to support said main body member in a substantially horizontal position above said bed of said vehicle; and

a first wheel chock assembly having a pair of connection members slidably joined to said main body member between said first support assembly and said second support assembly, means for securing said pair of connection members to said main body member, a frame comprised of a pair of frame members, one of said pair of frame members extending generally downward in a

generally arcuate shape from each of said connection members, one or more wheel support members attached to and disposed between said pair of frame members, each of said connection members disposed on said main body member so as to permit lateral movement of said pair of connection members, said one or more wheel support members configured to substantially cradle a wheel of said motorcycle in said wheel chock assembly.

32. The motorcycle rack according to claim 31, wherein said main body member is comprised of at least a first telescoping member, a second telescoping member and a means for fixing the longitudinal length of said main body member, said first telescoping member and said second telescoping member in telescoping relationship, said fixing means configured to fix the position of said first telescoping member relative to said second telescoping member.

33. The motorcycle rack according to claim 31, wherein at least one of said first support assembly and said second support assembly comprises a side member configured to be supportably attached to a vertically displaced wall of said bed and a clamp configured to fixedly clamp said side member to said vertically displaced wall of said bed.

34. The motorcycle rack according to claim 33, wherein said clamp is comprised of a channel member attached to and protruding inward from said side member, a clamp hook having a clamp tube, and a clamp member configured to be removably received by said clamp tube.

5           35. The motorcycle rack according to claim 31 further comprising one or more loop members on at least one of said first support assembly and said second support assembly.

10           36. The motorcycle rack according to claim 31, wherein at least one of said first support assembly and said second support assembly comprises a leg member attached to said main body member end and a receiver member attached to said bed and configured to receive said at least a portion of said leg member.

15           37. The motorcycle rack according to claim 36, wherein said receiver member comprises a receiver tubular member and a base member, said base member attached to said bed of said vehicle.

          38. The motorcycle rack according to claim 36, wherein said at least a portion of said leg member is slidably received in said receiver member and configured to be in a locking relationship therewith to fix the height of said main body member relative to said bed.

39. The motorcycle rack according to claim 38, wherein said leg member is generally tubular shaped and fixedly attached to said first main body end and/or said second main body end of said main body member.

40. The motorcycle rack according to claim 31, wherein said connection member is tubular shaped and has a longitudinal axis substantially in common with said longitudinal axis of said main body member.

41. The motorcycle rack according to claim 31, wherein said one or more wheel support members are made from a flexible material and configured to draw said frame against said wheel when said wheel is placed into said holding means.

42. The motorcycle rack according to claim 31 further comprising one or more loop members attached to a tubular member slidably disposed on said main body member and means for removably positioning said tubular member on said main body member.

43. The motorcycle rack according to claim 31 further comprising a second wheel chock assembly, said second wheel chock assembly having a pair of connection members slidably joined to said main body member between said first support assembly and said second support assembly, means for securing said pair of connection members to said main body member, a pair of clamp

plates, and a plate connector for interconnecting said pair of clamp plates, said pair of clamp plates configured to be disposed on opposite sides of a wheel of a second motorcycle and said plate connector configured to clamp said pair of clamp plates against said wheel of said second motorcycle.

5                    44. The motorcycle rack according to claim 43, wherein each of said pair of clamp plates comprises a slot for receiving a portion of said plate connector therein.

                    45. The motorcycle rack according to claim 43, wherein each of said pair of clamp plates comprises one or more ridges thereon, said ridges  
10 configured to cooperate with said plate connector to clamp said pair of clamp plates against said wheel of said second motorcycle.

15